

## CLAIMS

1. A DNA containing uncoupling protein-2 (UCP-2) promoter region containing the regulator sequence.
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2. A DNA described in claim 1 wherein the regulator sequence is a sequence containing peroxisome proliferator response element (PPRE).
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3. A DNA described in claim 1 wherein the regulator sequence is a sequence containing CCAAT/enhancer binding protein (C/EBP) binding sequence.
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4. A DNA described in claim 1 wherein the promoter region is a base sequence presented by position 1 to 2270 of SEQ ID NO: 1 or a base sequence containing a part of the said base sequence.
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5. A recombinant vector containing a DNA described in claim 1.
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6. A recombinant vector described in claim 5 containing a DNA containing a structural gene under control of UCP-2 promoter region containing a regulator sequence.
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7. A transformant transformed by a recombinant vector described in claim 5.
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8. A method for screening a compound or its salt that promotes or inhibits UCP-2 promoter activity characterized by use of a transformant described in claim 7.
9. A method for screening a compound or its salt that promotes or inhibits heat production characterized by

10. A method for screening an antiobestic drug, an antidiabetic drug, a depressor, an antihyperlipemic drug, and an antipyretic drug characterized by use of a transformant described in claim 7.

12. A compound or its salt that promotes or inhibits UCP-2 promoter activity obtained using a screening method described in claim 8 or a screening kit described in claim 11.

14. A pharmaceutical composition containing a compound or its salt that promotes or inhibits UCP-2 promoter activity obtained using a screening method described in claim 8 or a screening kit described in ~~claim 11~~.